Page 1

January 26, 2010 11:19:57 AM

Item ID:

D3689-1

Accept

Setup Start

Stop



Revision ID:

Item Name: **Start Date:**

SLEEVE 1/26/2010

Start Qty: 12.00 Req'd Qty: 12.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan: MF

Date: 10-1-26 Tooling:

Date:

Run Start

Required Date: 2/2/2010

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/ **Work Center ID**

Operation Description

Revision Nbr

Set Up/ **Run Hours** Draw Number

Plan Rev. Code

Reject Accept Qty Qty

Number Stamp

Draw Nbr

D3689

Rev B

100

Doosan

DOOSAN LATHE

0.00

0.00

Doosan Lathe

1- Turn as per Folio FA722 Rev: <u>Rev.</u> & Dwg D3689 Rev: **B** 2-CHECK THREAD WITH GO-NO GO GAUGE DT9450 A & B

3-Deburr per dwg D3689



110

QC2- Inspect parts off machine FAI/FAIB

0.00

Quality Control

Memo

Memo

SN/SL 10/01/28

120

Mill Conv

CONVENTIONAL MILLING MACHINE

0.00

JL 10/01/29

Conventional Milling Machine

C'sink .188" holes as per dwg D3689

Dart	Aeros	pace	Ltd

	-								
W/O:			WO	RK ORDER CHANGE	S				
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							3		

Dort No.	_	DAD #							
Part No		PAR #:							
	Re	solution:						Date: _	
NCR:		1	WORK ORDE	R NON-CONFORMAN	ICE (NC	3)		-	
DATE	STEP	Description of NC		Corrective Action Section		Verific	cation	Approval	Approval
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign and Date		on C	Chief Eng	QC Inspector

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January 26, 2010 11:19:57 AM

Item ID:

D3689-1

Revision ID:

Item Name: **SLEEVE**

Required Date: 2/2/2010

Start Date:

1/26/2010

QC:

Start Qty: 12.00

Req'd Qty: 12.00



Accept

Setup Start

Stop



Cust Item ID:

Customer:

Draw

Reference:

Approvals:

Process Plan:

Date:

Date:

SPC (Y/N):

Tooling:

Date: Date:

Rev.

Start Run

Stop



Sequence ID/ **Work Center ID**

130

Quality Control

Operation Description

QC2- Inspect parts off machine FAI/FAIB

Set Up/ **Run Hours**

Number

10/01/29

0.00

Plan Draw

Accept Qty Code

Reject Qty

Reject Insp. Number Stamp

140

Quality Control

QC8- Inspect parts - second check

Memo

Memo

SP 10/01/29

12

150

Purchasing Purchasing

PURCHASING

Memo

Issue P/O: //29 C LPI Per ASTM 1417 LEVEL 2 0.00

0.00

Certificate of conformaty is required

PS 10-2-01 (12)

Work Order ID 55638

January 26, 2010 11:19:57 AM

Required Date: 2/2/2010



Page 3

Item ID:

D3689-1

Accept

Setup Start

Stop



Revision ID:

Item Name: **Start Date:**

SLEEVE

1/26/2010

Start Qty: 12.00 Req'd Qty: 12.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

SPC (Y/N):

Date:

Date:

Rev.

Run Start

Stop

Sequence ID/ **Work Center ID**

160

Packaging Packaging

Operation Description

Receive & Inspect for Damage & Mat'l Certs

Set Up/ **Run Hours**

0.00

0.00

Ensure certificate of conformity is attached

Draw Number

Draw Plan Code Accept Qty

Reject Qty

Reject Number

Insp. Stamp

170

QC

Quality Control

Memo

Memo

0.00

QC5- Inspect part completeness to step on W/O

0.00

180

Packaging Packaging

Identify as per dwg & Stock Location:

0.00

Memo

0.00

Work Order ID 55638

Page 4

January 26, 2010 11:19:57 AM

Item ID: **Revision ID:** D3689-1

Accept



Setup Start

Stop



Start Date:

Required Date: 2/2/2010

Item Name:

1/26/2010

SLEEVE

Start Qty: 12.00 Req'd Qty: 12.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date: SPC (Y/N): Date:

Rev.

Stop

Sequence ID/

Work Center ID

190

Operation Description

QC21- Final Inspection - Work Order Release

Set Up/ **Run Hours**

Draw Number Draw Plan Code

Reject Accept Qty Qty

Reject Insp. Number Stamp

QC

Memo

0.00

0.00

10 lo 2 lo 3 kg

Quality Control

Picklist Print

January 26, 2010 11:19:56 AM

Work Order ID: 55638

D3689-1 Parent Item:

Parent Item Name:

Comments:

SLEEVE

IPP Rev:A New Issue 08-02-11 JLM Verified By:EC IPP Rev:B Material Change 09-01-07 JLM Verified By:EC

IPP Rev:C Add note on material cutting JLM Verified By:JM

Component Item ID/ M174PH-H900R1.375

Replacement Mfg/

Purchased

Bin Primary

No

17-4 SS H900 ROUND BAR 1.375

Last

Start Date: 1/26/2010

Required Date: 2/2/2010

Start Qty: 12.00

Required Qty: 12.00

Route 100

Unit of

Qty on 57.6000

Remaining 6.3158

Qty

Date

Status

Warehouse	Loc Qty	Loc Code	
Location			
Main Warehouse			
MAT	57.6		
110540	14		·
111123	30		
> 112374	13.6		6.316 X 10/01/29

Dart Aerospace Ltd

W/O:			W	ORK ORDER CHANGE	ES				
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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				14.7.					
Part No	•	PAR #:	Fault Cate	egory:	NCR: Ye	s No DO	QA:	Date:	
	R	esolution:						Date: _	
NCR:		V	VORK ORD	ER NON-CONFORMA	NCE (NC	R)			
DATE	STEP	Description of NC		Corrective Action Section		Verif	ication	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sigr Dat	1& Sec	ction C	Chief Eng	QC Inspector
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DART AEROSPACE LTD	Work Order:	55638	
Description: Sleeve	Part Number:	D3689-1	1 1 2:
Inspection Dwg: D3689 Rev: B		Page 1 of 1	

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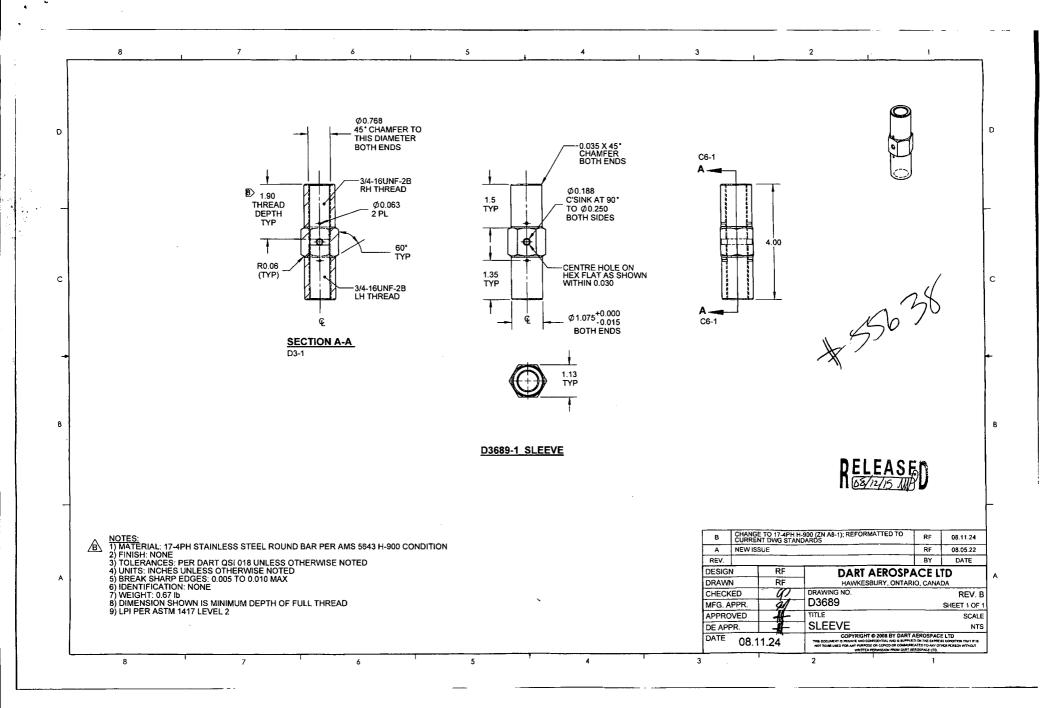
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Inspection Dwg	j: D3689 Re v	<u>/: B</u>				Paç	je 1 of 1	
		T ARTICLE II			ECKLIST otype			
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Com	ments	
1.90	+/-0.030	1.95						
Ø0.768	+/-0.010	0.770	/					
Ø0.063	+0.005/-0.001	0,063						
R0.06	+/-0.030	R.06						
3/4-16UNF-2B	N/A							
0.035 x 45°	+/-0.010 x 0.5°	24×260,	/					٠.
1.5	+/-0.030	1.490					,	
1.35	+/-0.030	1.352						
Ø0.188	+0.005/-0.001	0.180	·/					
90°	0.5°	900	0/					
Ø0.250	+/-0.010	.250						
Ø1.075	+0.000/-0.015	\$ 1.070						
1.13	+/-0.030	1,125						
4.00	+/-0.030	4.008						
								_
Measured by:		Audited by:	~ /		Prototype App	oroval:	N/A N/A	
Rev Date A 09.05.11	Change New Issue	Date:	10/02/0	<u> </u>	Revi KJ	sed by	Approve	<u>d</u>
A 09.05.11	New Issue			· · · · · · · · · · · · · · · · · · ·	KJ	- 9 y	1_ / .	X

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W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								:	
Part No	:	PAR #:	Fault Categ	ory:	_ NCR: Yes	No DQ	A:	Date: _	
	Re	solution:	Disposition	:	_ QA: N/C CI	osed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	ANCE (NCF	R)			
DATE	STEP	Description of NC	Initial	Corrective Action Section Action Description	ion B		cation		Approval
		Section A	Chief Eng	Chief Eng	Date	Sect	ion C	Chief Eng	QC Inspector
							4		



Dart Aerospace Ltd

W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DC	A:	Date: _	
	Re	solution:	Disposition	n:	_ QA: N/C (Closed:		Date: _	
NCR:			WORK ORD	R NON-CONFORMA	ANCE (NC	R)			
DATE	STEP	Description of NC		Corrective Action Section		Verif	cation	Approval	Approval
		Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat		tion C	Chief Eng	QC Inspector
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LIQUID PENETRANT TEST REPORT

P- 15316

	. /	•				
CLIENT	DAT AEROSTA	r File	Date	5.00	Page	OF _
ATTENTION	LINDA			T=5 1-3	2010 TIME	
ADDRESS	1270 ABELDEEN	157	ACUREN JOB		-10-06	50
	HANKEBBUTY ON	/ .	PO/WO No.	11290		
	- KOH 1K7		Work Locat		-KESBERY	
PROJECT		EP-	ACCEPTANCE	STD. ASTA	(1417 REV.)	DATE ZOOT
ITEM(S) EXAMINED	- (i)	2) 5/ 5/60	ere on	Poss Tube	3.	
JOB DESCRIPTIO	1 ROCEDORE	No. LTOGO RE	/./DATE	TECHNIQUE NO		
PART-NoS	AINLESS STEEL	/	Marrow	OCIE /	LTTEH 2 REV./	DATE
Scope	WET FLUNGS	ELT 616	in D PENS	TO ALUMN	THICKNESS	
	CARRES	ait			USPETICENESS	
TEST DETAILS			100 10 17	TELNAL		
METHOD	₫ FLUORESCENT	☐ VISIBLE	10 W			
AMILY BRAND PENETRANT	LUCKA FLU-K		WATER WA	SH IS	OLVENT REMOVABLE	☐ Post Emulsi
PENETRANT REMOVER	TALLALING DAY	ELL TIME 45 10	MIN. LIGHTING EQUIP	DELASHIOUT DE	JTPUT > 1000 μ W/CM	
	- CHITTINGOW DR	TIME >10	Min. OTHER	ABWU	TROUBLELIGHT 🖸 Οι	JTPUT>100 fc@ SUR
EVELOPER TYPE	NON AQUEOUS AQU	ELL TIME 10	MIN. LIGHT METER S	N 10988	166 CALE	DUE DATE HET 7.2
EST SURFACE	7,00	EOUS DRY			- OAL D	DE DATE PORT
URFACE CONDITION	☐ As GROUND	As WELDED	☐ MACHINED			
RESULTS-	RE U < - 4°C/ 20°F	☐ - 4°C/ 20°F TO 10	0°C/50°F	SHOT BLASTI	D 🗓	CLEAN BARE METAL
ESUL 15-	(METRIC IMPERIAL)			☐ 10°C/50°F T		> 52°C/125°F
1 Closs 1 1 Closs 1 1 Closs 1 1 Closs 1 1 May 1 1 Closs 1 1 Closs 1	TUBE-W.O. 5513 TUBE-W.O. 5513 TUBE-W.O. 5513 TUBE-41.0. 5540 TUBE-41.0. 5540 VE 13 ELL CRAWL-W.O. 5 TUBE-10.0. 5509 TUBE-10.0. 5543	3635 V 73635 V 7334 V	REART TO THE	10/02	102	EP ZIBLE
durd of Core		n Grown Ing to Parkets a	The state of the s	ppete responsibility for the en- in exceed the amount paid for performing such services in to	incering, manufacture, repair is such services. he same or similar locality. No	The Construed of Construed
ME (PRINT):	MIKE JHUS	Ten		REPORT REVIEWS		
	1° TECHNICIAN		2" TECHNICIAN	ţ	NAME	